SRO 33/100

kV dependent max mA values for exposure times ≤ 100ms in combination with Optimus 50kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40	200000	581000	70	394000	650000	**100**	**300000**	**500000**	130	230769	384615
41	207600	603200	71	399652	650000	101	297029	495049	131	229007	381679
42	215200	625400	72	405304	650000	102	294117	490196	132	227272	378787
43	222800	647600	73	410958	650000	103	291262	485436	133	225563	375939
44	230400	650000	74	405405	650000	104	288461	480769	134	223880	373134
45	238000	650000	75	400000	650000	105	285714	476190	135	222222	370370
46	245800	650000	76	394736	650000	106	283018	471698	136	220588	367647
47	253600	650000	77	389610	649350	107	280373	467289	137	218978	364963
48	261400	650000	78	384615	641025	108	277777	462962	138	217391	362318
49	269200	650000	79	379746	632911	109	275229	458715	139	215827	359712
50	277000	650000	80	375000	625000	110	272727	454545	140	214285	357142
51	284800	650000	81	370370	617283	111	270270	450450	141	212765	354609
52	292600	650000	82	365853	609756	112	267857	446428	142	211267	352112
53	300400	650000	83	361445	602409	113	265486	442477	143	209790	349650
54	308200	650000	84	357142	595238	114	263157	438596	144	208333	347222
55	316000	650000	85	352941	588235	115	260869	434782	145	206896	344827
56	323200	650000	86	348837	581395	116	258620	431034	146	205479	342465
57	330400	650000	87	344827	574712	117	256410	427350	147	204081	340136
58	337600	650000	88	340909	568181	118	254237	423728	148	202702	337837
59	344800	650000	89	337078	561797	119	252100	420168	149	201342	335570
60	352000	650000	90	333333	555555	120	250000	416666	150	200000	333333
61	356400	650000	91	329670	549450	121	247933	413223			
	360800	650000	92	326086	543478	122	245901	409836			
	365200	650000	93	322580	537634	123	243902	406504			
	369600	650000	94	319148	531914	124	241935	403225			
	374000	650000	95	315789	526315	125	240000	400000			
	378000	650000	96	312500	520833	126	238095	396825			
	382000	650000	97	309278	515463	127	236220	393700			
	386000	650000	98	306122	510204	128	234375	390625			
	390000	650000	99	303030	505050	129	232558	387596			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max; Optimus 65 = 900mA max) or if the filament does not have its full emission anymore (e.g. from shorted filament loops).
The red marked emission current values (at 73kV SF and 44kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.